



PATENT
Customer No. 22,852
Attorney Docket No. 08360.1556-01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
)
Glenn BINGHAM and Craig MARTIN) Group Art Unit: 2161
)
Serial No.: 09/991,883) Examiner: Unassigned
)
Filed: November 26, 2001)
)
For: MEETING SITE SELECTION)
BASED ON ALL-INCLUSIVE)
MEETING COST)

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

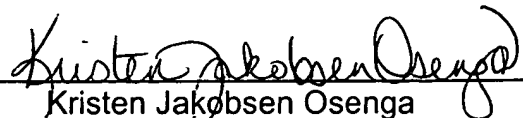
SUBMISSION OF SUBSTITUTE DRAWINGS

As required in the Notice to File Missing Parts dated December 6, 2001, Applicants submit substitute drawings (Figs. 1-5, 6A, 6B, and 7-14) for the above-referenced application. Further, Applicants respectfully request reconsideration of the objection that the drawings contain excessive text, as the attached substitute drawings were previously accepted by the Examiner in U.S. Application No. 09/241,399 (now U.S. Patent No. 6,324,517), from which this application claims priority.

Applicants also respectfully request that the submission of formal drawings be deferred until after a notice of allowance has issued.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,
GARRETT & DUNNER, L.L.P.

By: 
Kristen Jakobsen Osenga
Reg. No. 45,811

Dated: February 6, 2002

FINNEGAN
HENDERSON
FARABOW
GARRETT &
DUNNER LLP

1300 I Street, NW
Washington, DC 20005
202.408.4000
Fax 202.408.4400
www.finnegan.com

20090201 155601660

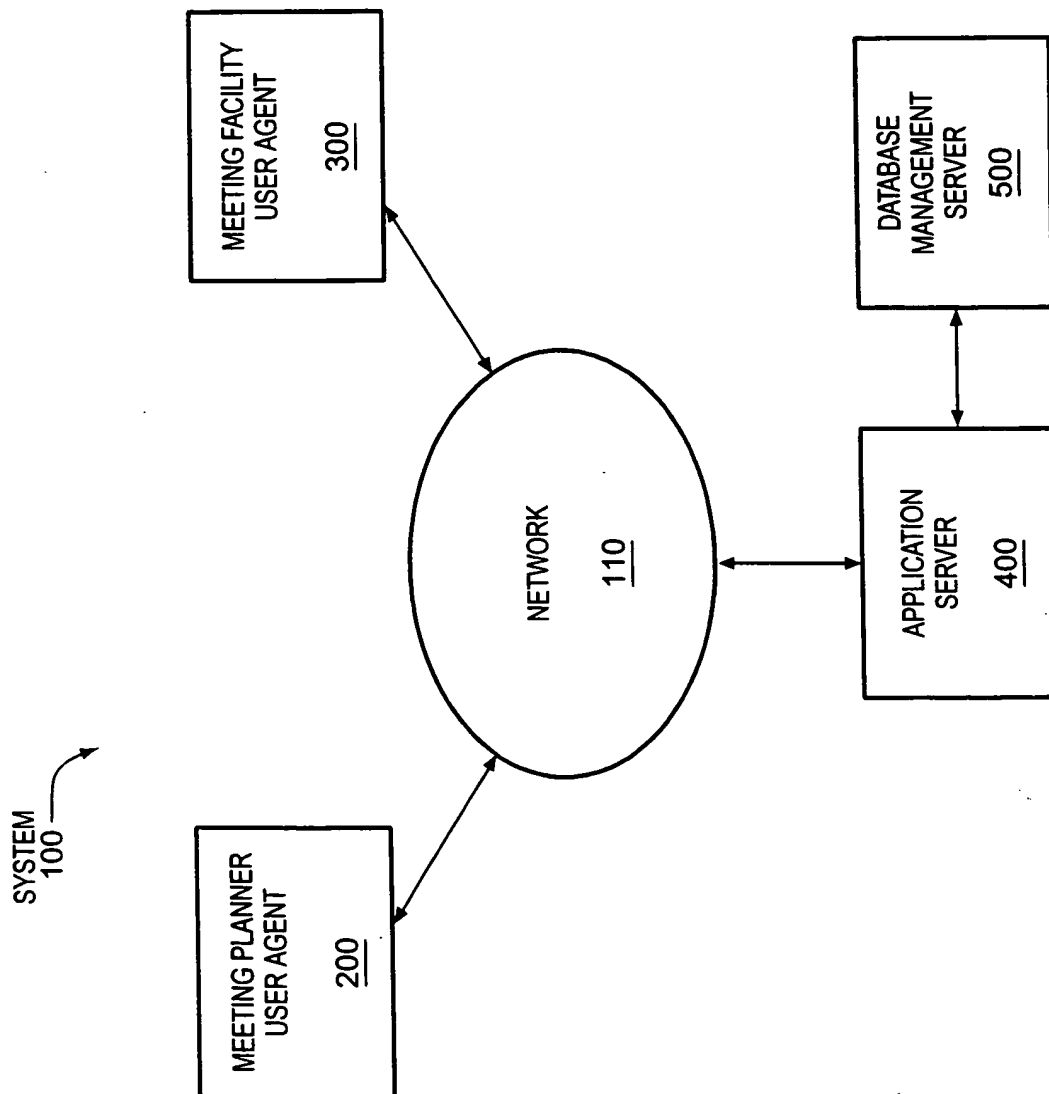


FIG. 1



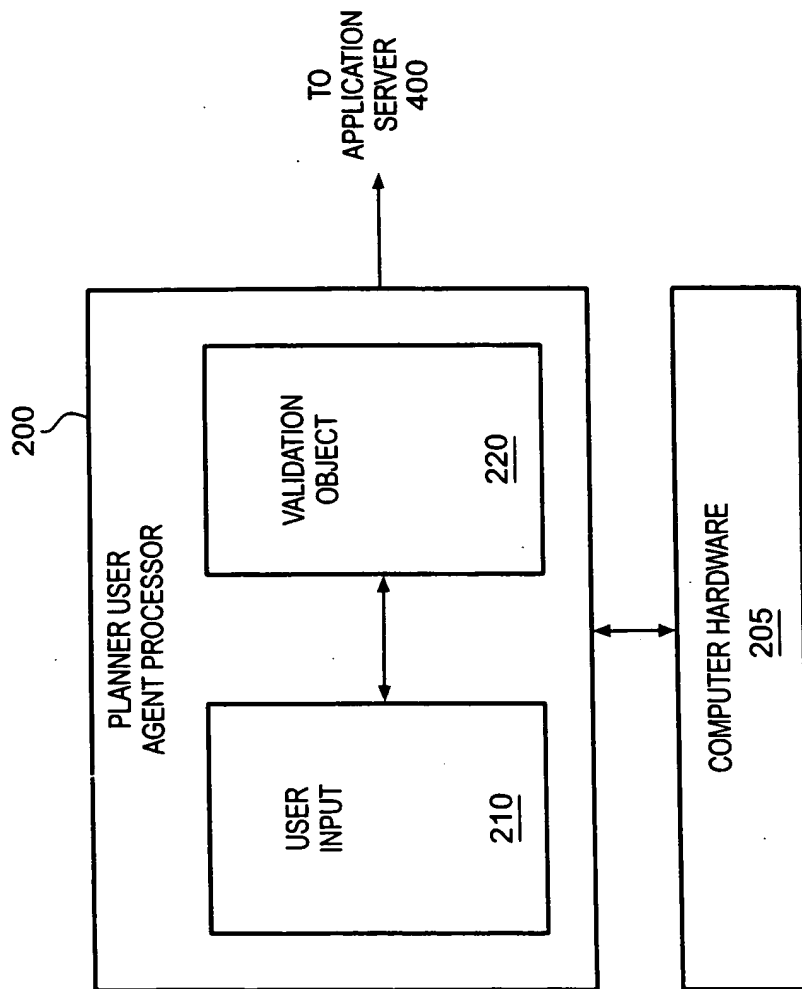


FIG. 2

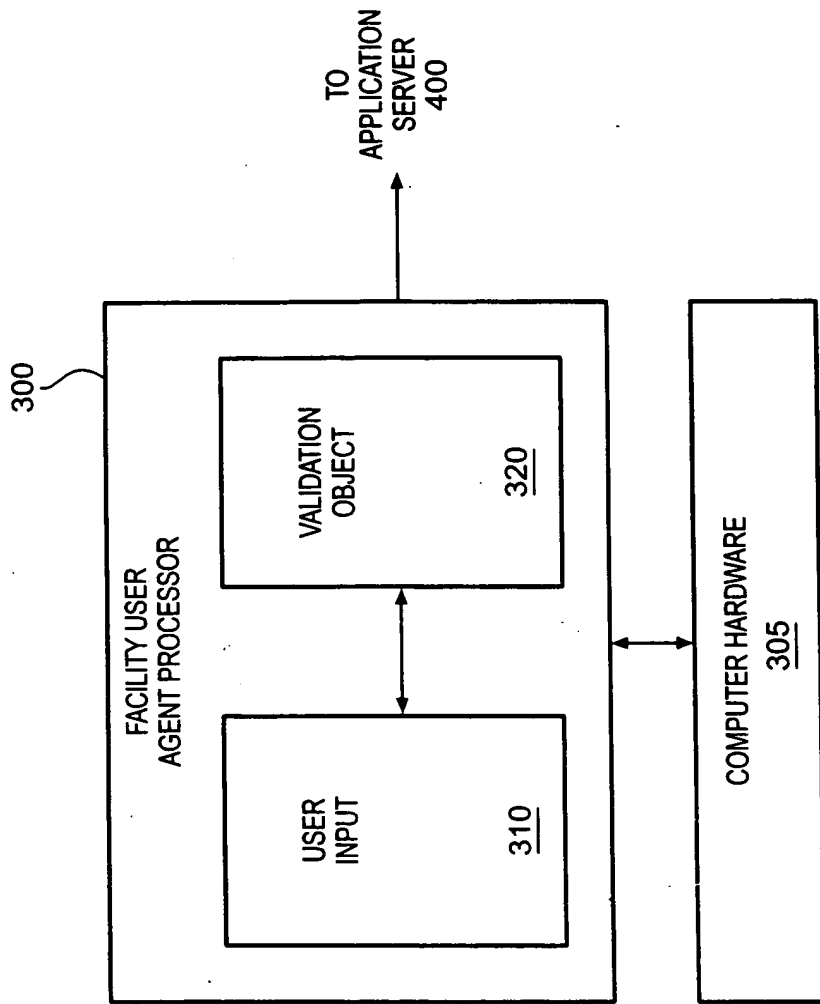


FIG. 3

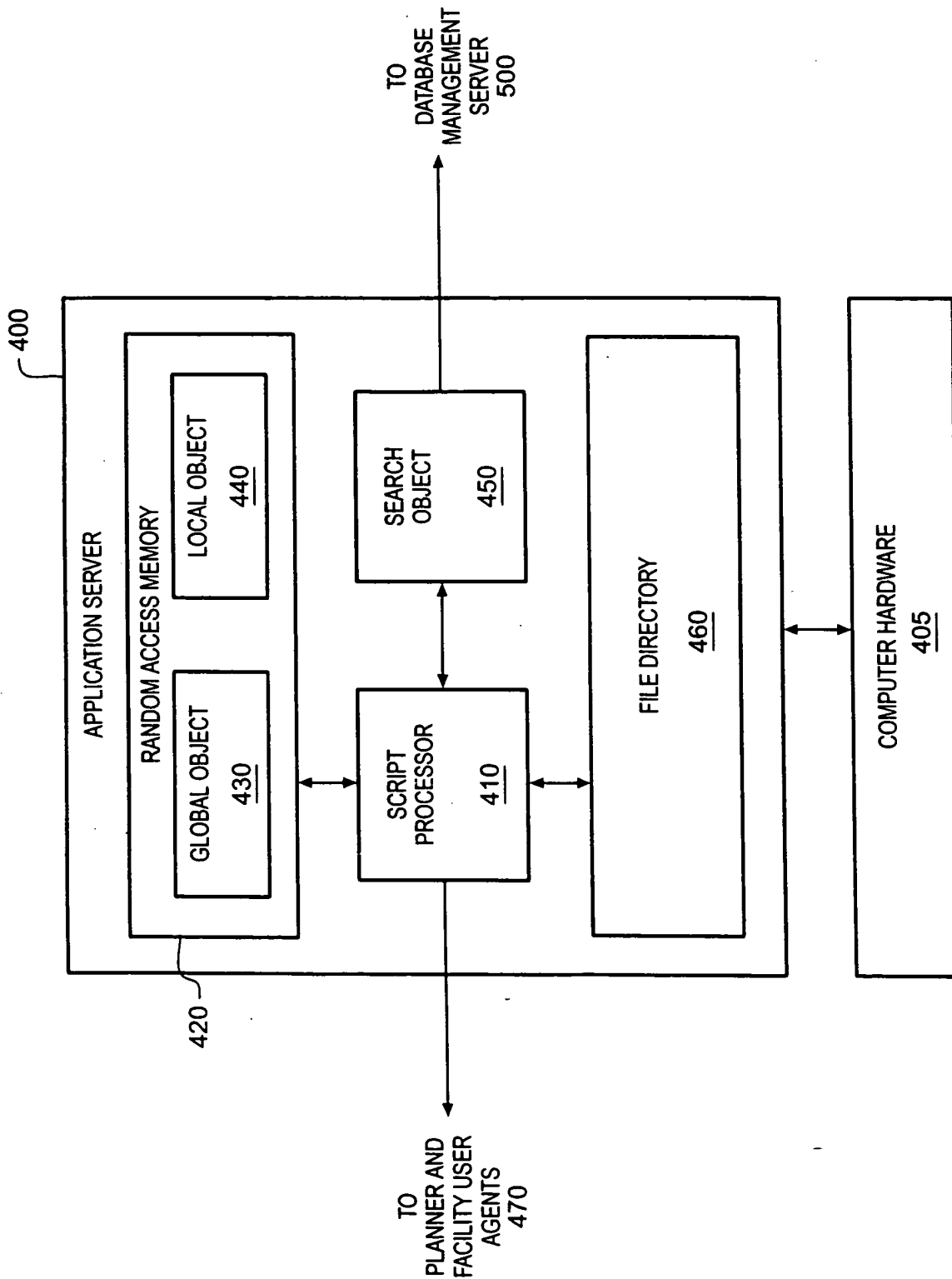


FIG. 4

2099020" E88T660

500

DATABASE MANAGEMENT SERVER

USER PROFILE TABLE

510

ORIGIN TABLE

520

TRANSPORTATION TABLE

530

METRO TABLE

540

PROPERTY TABLE

550

TO
APPLICATION
SERVER
400

FIG. 5

Method Calculate()
Parameters: PropertyArrays, ConferenceArray, AttendeeArray, MealArray,
TransportationArrays, OriginArrays (officeArray & AirportArray), MetroArray,
and UserProfile

For each property in PropertyArrays
Store transportation cost between property and each airport it serves in AirTranArray
Store filtered values from PropertyArrays to FilterValue
Store guestroom rate + applicable taxes from PropertyArray to LodgeCost
Store effective date to PropStart and PropEnd
Store quality from PropertyArrays to Quality
For each valid meal cost in MealArray where
(EffectiveStart = Max (PropStart, MealStart)) < (EffectEnd = Min (PropEnd, MealEnd))
Store individual meal cost for property to MealCost
MealCost = Breakfast + Lunch + Dinner + Incidentals – Complimentary Meals
If MealCost + LodgeCost for an attendee > MaxCost from UserProfile
Skip to next meal cost
EndIf
Call GetDist
Store total meal cost to TotalMeal

$$\text{TotalMeal} = (\text{OnTime} \times \text{MealCost} \times (\text{NumDays} - ((1 - \text{FirstDay}\%) + (1 - \text{LastDay}\%)))) + ((\text{Visitors} - \text{OnTime}) \times \text{MealCost} \times ((\text{NumDays} + 1) - ((1 - \text{FirstDay}\%) + (1 - \text{LastDay}\%)))) + \text{Local} \times \text{NumDays} \times \text{LocalMeal}\%$$
Store total lodging cost to TotalLodge

$$\text{TotalLodge} = (\text{OnTime} \times (\text{NumDays} - 1) \times \text{LodgeCost}) + ((\text{Visitors} - \text{OnTime}) \times \text{NumDays} \times \text{LodgeCost})$$
For each office in OfficeArray where distance to Hotel < MaxOfficeDist in MetroArray
Store local transportation cost to LocalTrans
LocalTrans = 0 if free shuttle from Hotel to Office is available, otherwise
LocalTrans = Min ((Distance x Taxi), AltOffTrans)
Call TransCost Method and store result in TotalTrans
Store all-inclusive meeting cost to TotalCost

$$\text{TotalCost} = (1 + \text{MiscExpense}) \text{ from UserProfile} \times (\text{TotalTrans} + \text{TotalMeal} + \text{TotalLodge})$$
Store current results to OfficeResultsArray
This includes HotelID, OfficeID, RateID, MealID, TotalCost, Quality, FilterValue,
Visitors, OnTime, EffectStart, EffectEnd
Endfor
Store 0 to LocalTrans
Call TransCost Method and store result in TotalTrans
With least expensive conference room in ConferenceArray which meets meeting
requirements where (TotalStart = Max (EffectStart, ConfStart)) < (TotalEnd = Min
(EffectEnd, ConfEnd))
Store conference room cost to ConfCost

$$\text{ConfCost} = (\text{ConfRate} \times \text{NumDays})$$
Store all-inclusive meeting cost to TotalCost

$$\text{TotalCost} = (1 + \text{MiscExpense}) \text{ from UserProfile} \times (\text{TotalTrans} + \text{TotalMeal} + \text{TotalLodge} + \text{ConfCost})$$
Store current results to HotelResultsArray
This includes HotelID, RateID, MealID, ConfID, TotalCost, Quality, FilterValue,
Visitors, OnTime, TotalStart, TotalEnd
Endwith
Endfor
Endfor
EndMethod (Return OfficeResultsArray, HotelResultsArray)

FIG. 6A

Method TransCost()
Parameters: PropLatitude from PropertyArrays, PropLongitude from PropertyArrays, AirTranArray, AttendeeArray, TransportationArrays (AirfareArray), MetroArray, UserProfile and LocalTrans

For each attendee group in AttendeeArray
Store number of attendees in each group to NumAttendees
If Distance > maximum driving distance
Increment TotalAir with total airfare cost
Take min airfare between all airport pairs from origin to destination:
Min(((OneWayAir + OriginTrans + DestTrans) + (LocalTrans x NumDays)) x (NumAttendees x 2)

Else
If Distance > LocalDist
Store distance from hotel to office to OffDist
Increment TotalDrive with DriveCost
DriveCost = ((Distance + (OffDist x NumDays)) + MileReimburse) x (NumAttendees x 2)

Else
Increment TotalDrive with LocalDrive
LocalDrive = ((Distance x MileReimburse) + LocalTrans) x (NumAttendees x NumDays x 2)

EndIf
EndIf
EndFor

Store TotalAir + TotalDrive to TotalTrans
EndMethod (Return TotalTrans)

602

Method GetDist()
Parameters: AttendeeArray, PropLatitude, PropLongitude, OriginArrays

For each attendee group in AttendeeArray
Store distance between origin point and property to Distance in AttendeeArray
Distance can be calculated using latitude and longitude of the property and the origin
If Distance < LocalDist
Increment Local with number of attendees in attendee group

Else
Increment Visitors with number of attendees in attendee group
If Distance < ExtraDayDist
Increment OnTime with number of attendees in attendee group

Else
Increment ExtraDay with number of attendees in attendee group

EndIf
EndIf
EndFor

603

FIG. 6B

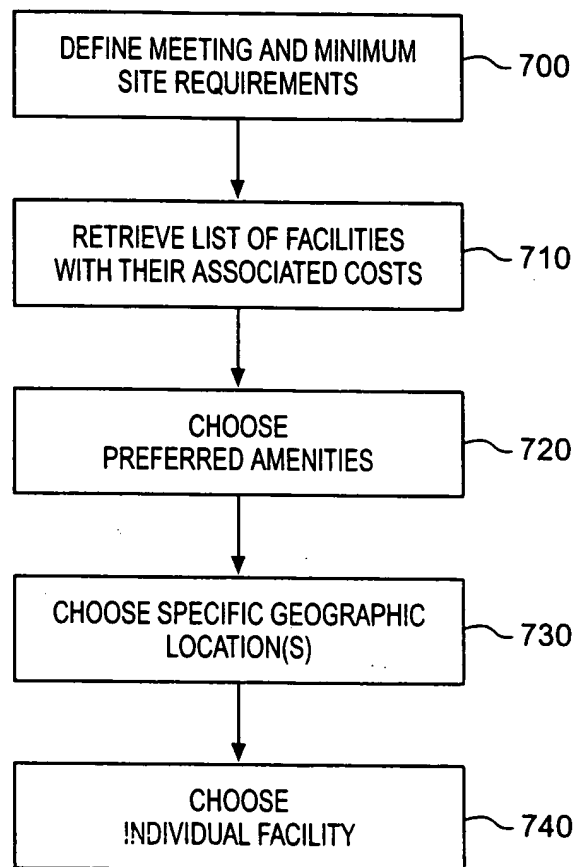


FIG. 7

0991883-020602

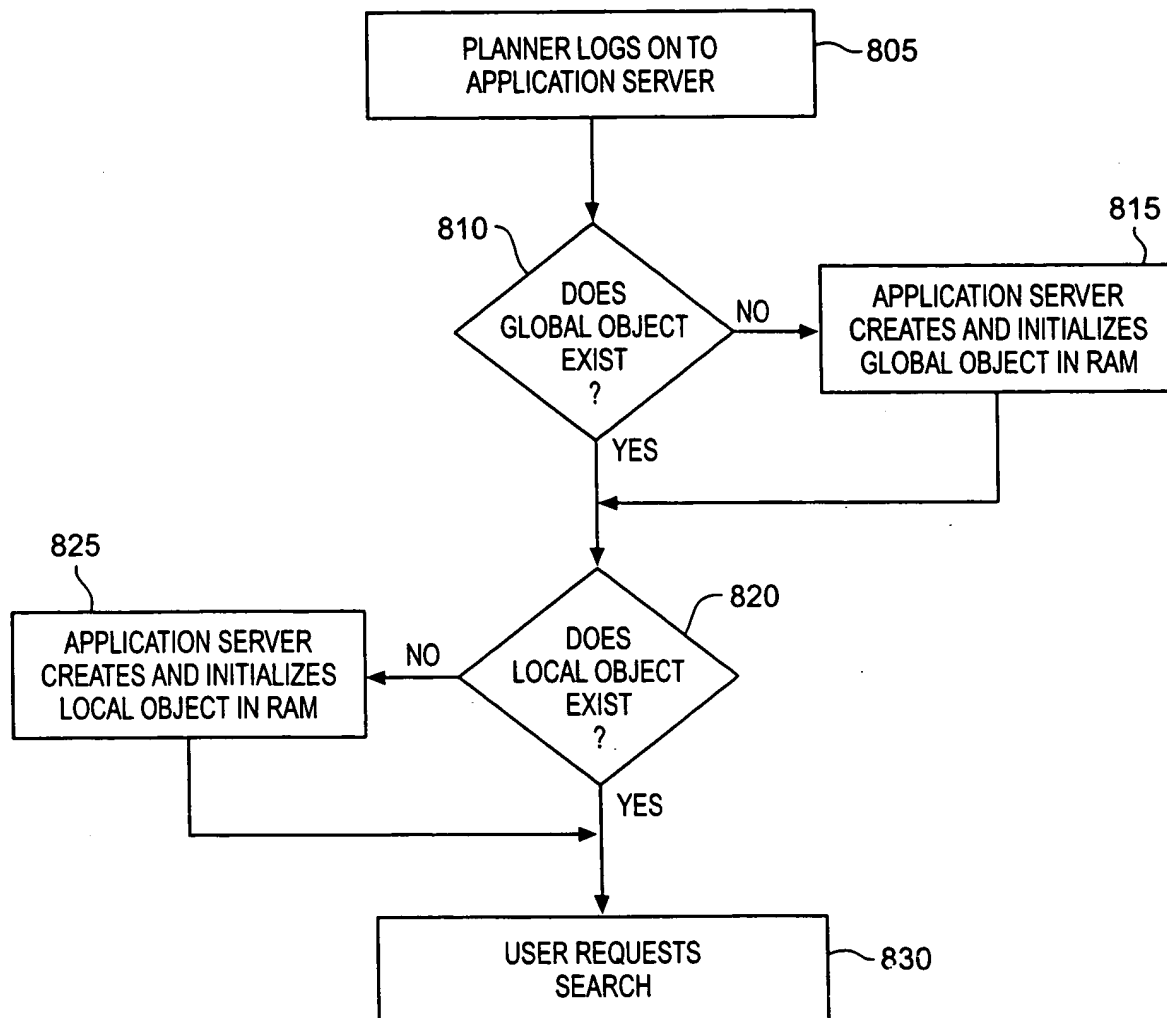


FIG. 8

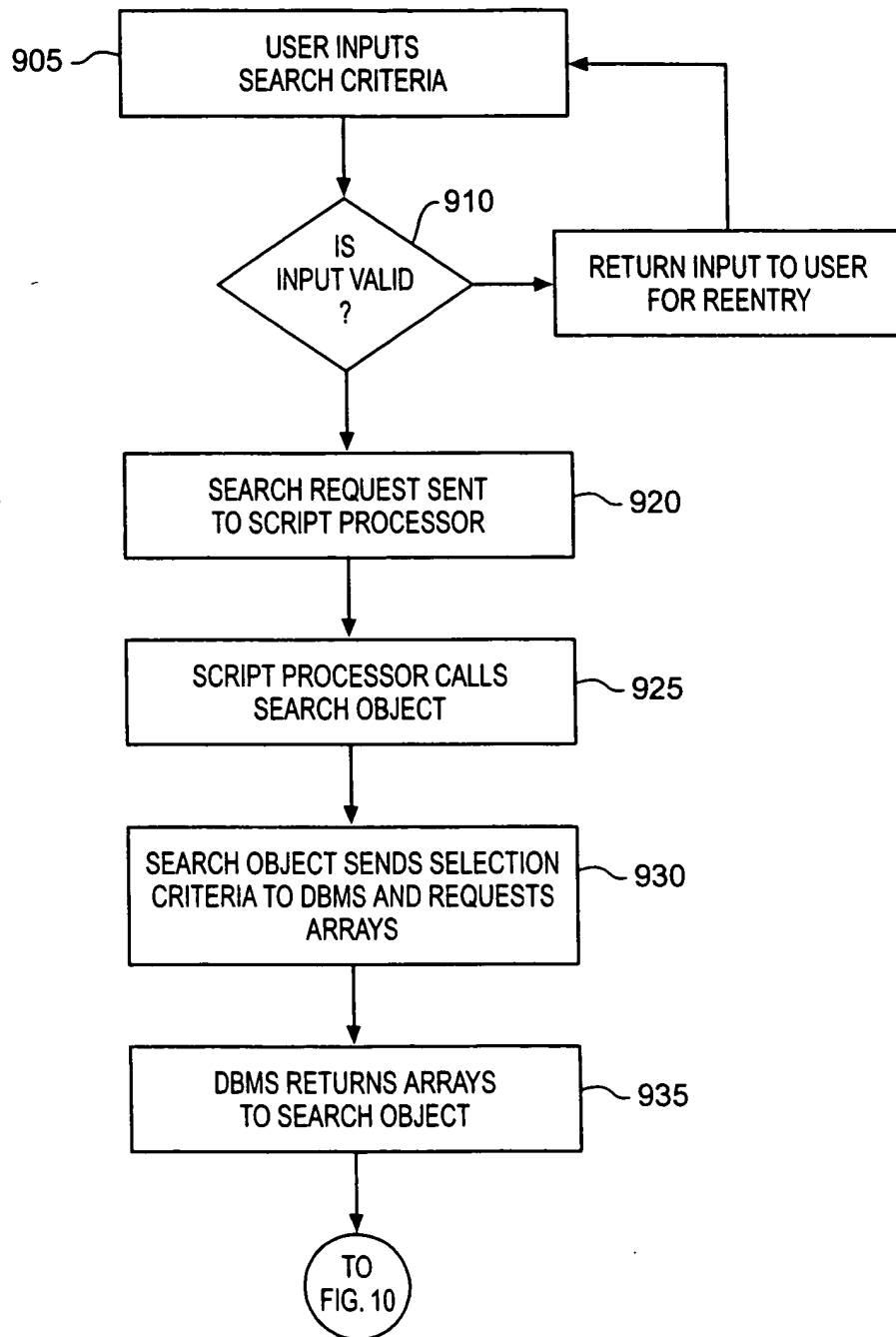


FIG. 9

20090720" 080602

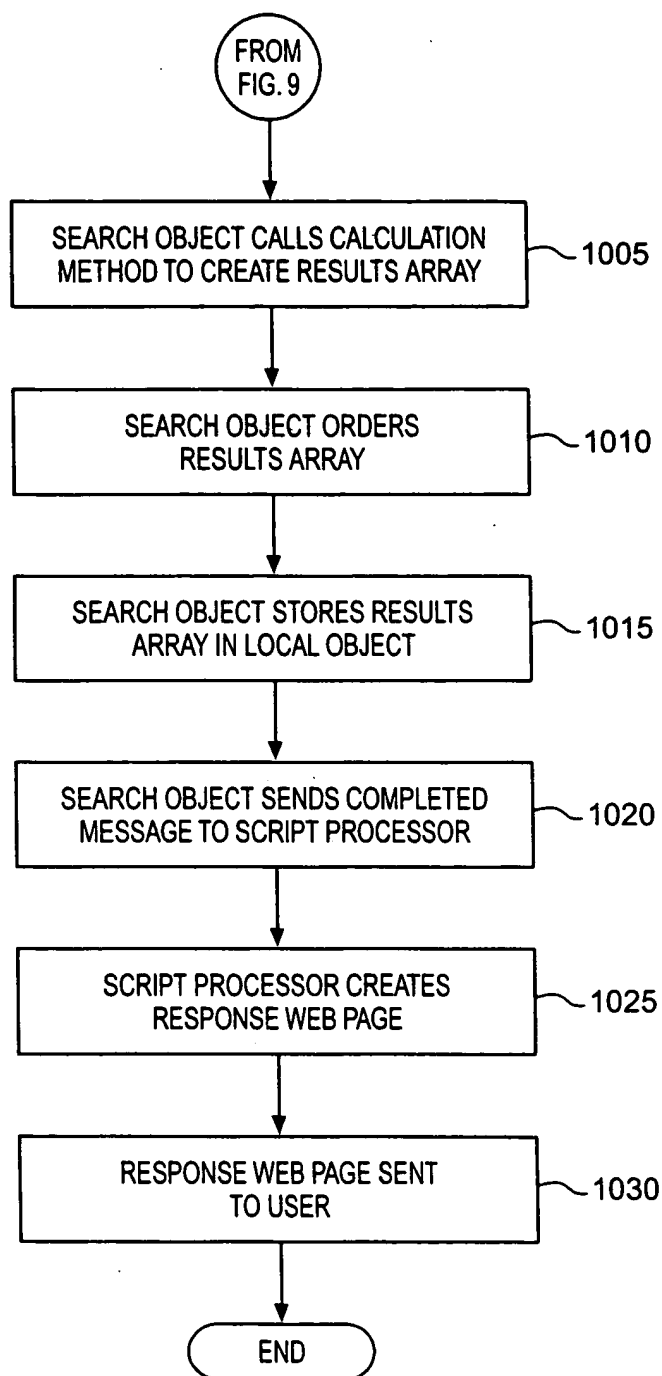


FIG. 10

1100

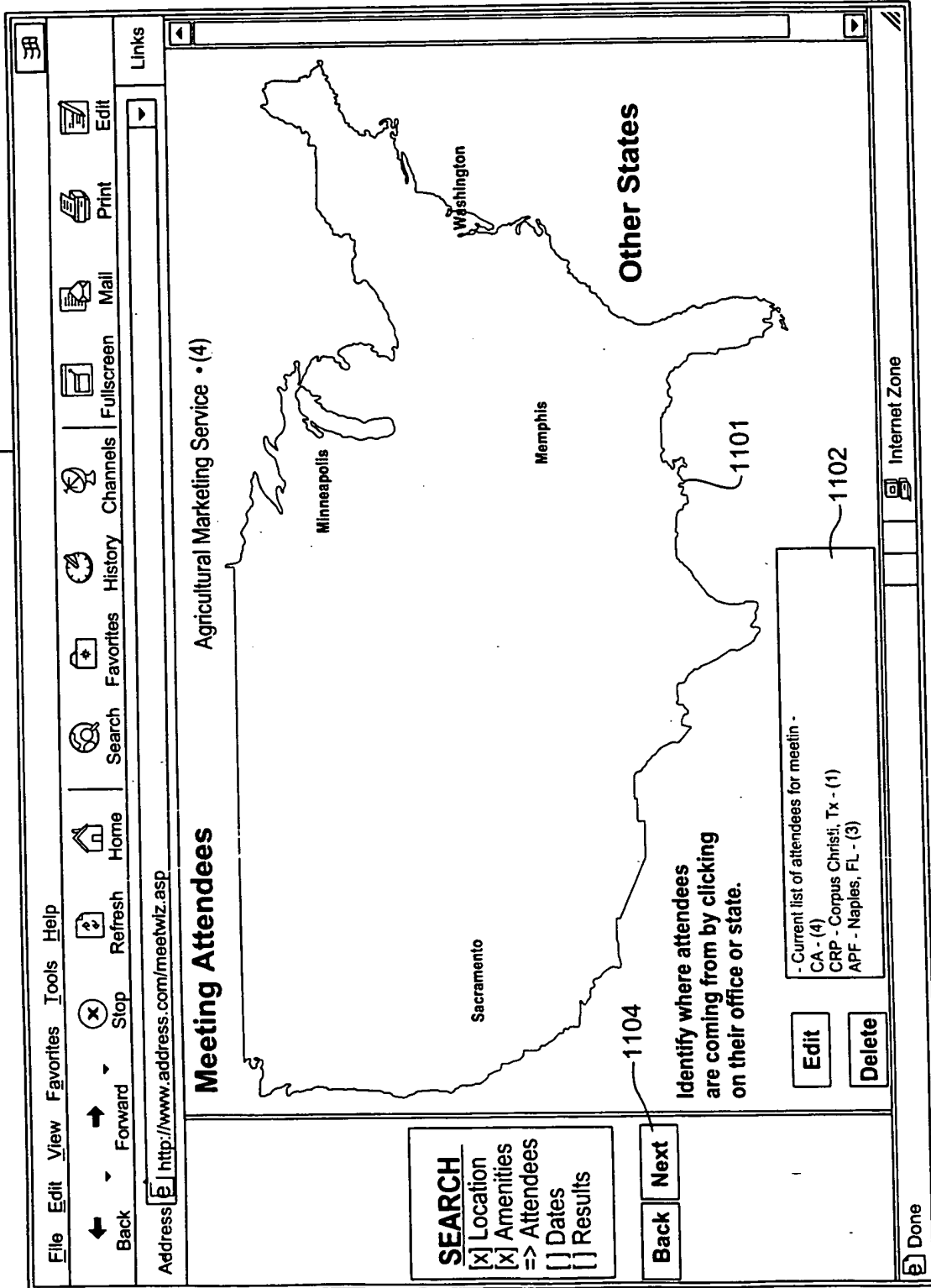


FIG. 11

Meeting Dates

3/17/1999

3 ▾

3/2/1999

4/3/1999

☒

February 1999						
1	2	3	4	5	6	
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28						

January 1999						
				1	2	
			7	8	9	
3	4	5	6	13	14	15
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

April 1999						
				1	2	3
			7	8	9	10
4	5	6	13	14	15	16
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

March 1999						
1	2	3	4	5	6	
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

FIG. 12

Search Results - For Selection Report

Preferred Date 3/17/99

1303

Sorted by

- ☒ Lowest Cost (3+)
☐ Highest Quality (

Meetings Held At

Hotel/Conference Facility
Office/Military Base

1302

Request Amenities

☐
☐
☐
☐
☐
☐
☐
☐
☐
☐

OK

Cancel

Hotels/Conference Facilities

Select

Property - Location

- ☐ 1. Travelodge Main Gat
☐ 2. Holiday Inn Cypress
☐ 3. Days Inn Rocky Point
☐ 4. Days Inn St. Petersburg
☐ 5. Best Western Clearv
☐ 6. Comfort Inn - Orland
☐ 7. Days Inn Cocoa - Co
☐ 8. Holiday Inn Central P
☐ 9. Comfort Inn - Hollyw
☐ 10. Tampa Airport Hilton at Metrocenter - Tampa, FL
☐ 11. Hampton Inn of Sarasota - Sarasota, FL

Quality Rating	Special Rate Dates	Estimated Total Cost*
3	Feb 1 - Apr 30	\$4,695
3	Jan 1 - Apr 30	\$4,708
3	Jan 1 - Apr 30	\$4,728
3	Jan 1 - Apr 30	\$4,786
3	Jan 1 - Apr 30	\$4,821
3		\$4,824
3		\$4,903
3		\$5,041
3	Jan 1 - Apr 30	\$5,069
3	Jan 1 - Apr 30	\$5,084
3	Jan 1 - Apr 30	\$5,254

1301

FIG. 13

Search Results - For Selection Report

Preferred Date 3/17/99

Sorted by

- ☒ Lowest Cost (3+ stars)
☐ Highest Quality (within Per Diem)

Meetings Held At

- ☒ Hotel/Conference Facility
☐ Office/Military Base

Hotels/Conference Facilities Ordered by Lowest Cost

Select	Property - Location	Quality Rating	Special Rate Dates	Estimated Total Cost*
<input type="checkbox"/> 10.	Tampa Airport Hilton at Metrocenter - Tampa, FL	3	Jan 1 - Apr 30	\$5,084
<input type="checkbox"/> 18.	Orlando Marriott - Orlando, FL	3		\$5,518
<input type="checkbox"/> 20.	Comfort Inn & Suites - Miami, FL	3	Jan 1 - Apr 30	\$5,567
<input type="checkbox"/> 22.	Sheraton University Inn - Orlando, FL	3		\$5,626
<input type="checkbox"/> 25.	Quality Inn - Naples, FL	3	Jan 1 - Apr 30	\$5,674
<input type="checkbox"/> 40.	Best Western McCarran House Inn - Sparks, NV	3		\$6,486
<input type="checkbox"/> 64.	Continental Plaza Los Angeles Airport - Los Angeles, CA	3		\$6,930
<input type="checkbox"/> 72.	Flamingo Resort - Santa Rosa, CA	3		\$7,048
<input type="checkbox"/> 91.	Embassy Suites - Phoenix, AZ	3	Jan 1 - Apr 30	\$7,205
<input type="checkbox"/> 103.	Holiday Inn - Oklahoma, City, OK	3		\$7,317
<input type="checkbox"/> 106.	Holiday Inn - Phoenix, AZ	3	Jan 1 - Apr 30	\$7,346

FIG. 14

1402

1403